RESUME

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#178, **CKB layout,**

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Objective:

A growth oriented profile by obtaining a challenging position, which can best utilize my experience and skills endeavoring towards organizational success and individual growth.

Professional Summary:

- **4.2 Years** of experience in IT industry – **Storage, Server and Network Testing**
- Involved in **Manual** and Automated testing
- Experience in testing **Intel** platforms and its components.
- Experience in **DIMM, Bios** and **BMC** testing
- Experience in **NVME** validation using NVME supported Storage Controller
- Knowledge on **NVME** Flash cache technologies
- Experience in testing various **RAID** levels like R0, R1, R10, R5, R6 etc
- Experience in **SAS** and **SATA**
- Experience in **SAN and DAS** technologies
- Experience in **RAID Controller Cards**
- Experience in testing **FC and ISCSI**
- Experience in **server technologies (DELL, IBM)**
- Experience in **QLOGIC HBA and RNDC cards**
- Hands on experience in testing **Storage Management Software**
- Involved extensively in **Functional, Alpha, Beta, Regression, Adhoc** & **Re-Testing**
- Experience in **Executing** automated scripts
- Experience in analyzing the **defects** and logging them appropriately
- Experience in **setting up DAS and SAN** - installation, configuring and troubleshooting
- Familiarity in **Zoning** on **Brocade** switch
- Hands on experience in preparing Test Plan
- Proficient in **DAS, NAS** and **SAN** Technologies
- Hands on experience on **RAID**
- Knowledge on **FC , ISCSI & FCOE**
- Experience in **Networking**
- Knowledge on **Python Automation**

Professional Experience:

- Currently working as Validation Engineer at **INTEL** from july 2017 to Till Date.
- Previously worked as Test Engineer at **IBM** from Mar 2015 to july2017.

Academic Profile:

- Completed B. Tech (Mechanical Engineering) from Biju Patnaik University of Technology in 2014.

Technical Skills:

Storage Systems	Raid controllers (LSI and Dell)
Servers	DELL, IBM servers
Network cards	QLOGIC (FC and ISCSI)
Storage Technologies	DAS, NAS, SAN, RAID, FC, SCSI, SAS, SATA
Operating Systems	Windows 2016\2012\2008 Server, RHEL 7\6 and SLES 12/11, VMWARE Esxi 6.5 /Esxi 6.0/Esxi 5.5
Scripting Languages	Python
Test Management Tools	Quality Center
IO Generation Tools	Chaos, IO Monkey
Bug Tracking Tools	JIRA

Project's Details:

Project-1 : Apache pass

Description:

Aim to validate the **Intel Apache pass DIMM**s on the Intel Platform and its functionality using Fedora Linux operating system and as well as its behavior in Bios and BMC.
Validate the Intel DDR Apache pass with combination of DDR4 DIMMs on the **Intel dual processor** server platform.
Intel provides a Best Known Configuration (BKC) that specifies the compatible combinations of AEP hardware, BIOS, firmware, and software to reduce risks due to ingredient incompatibility.
The server platform is combination of windows based Host and Linux based Target machine, All Apache Pass DIMM connects to Target machine and user can access the windows Host machine using **VNC** viewer and controls target using ITP.
To validate Apache pass DIMM, execute Power loads and workloads on apache pass DIMM using various methods like command center and custom cascade using python scripts.
OS: Fedora Linux

Team Size: 5

Roles and responsibilities:

- Involved in execution of Apache Pass DIMM with combination of **DDR4 DIMM** based on the intel platform, execution of Test Cases, Defect tracking, Bug Verification.
- **BIOS**, **AEP FW**, **MGMTSW** and **Kernel** flashing on the server class board using Intel proprietary, functionality testing and debugging of issues and analyzing the results.
- Installing different OS like **Rhel, SLES, VMware, Windows** by using **PXE**
- Execution of Power Cycle tests and workloads on the platform using both command center and custom cascade modes using automation scripts.
- **Bug verification** on different AEP configuration platforms and first level debugging of boot related issues and functional issues.

- From **BMC** used to monitor all **DIMM** and temp related sensors and also check notifications from BMC if temperature went high/low from permissible range.
- Checking and modifying memory and processor settings and report to developer if anything violates the expected behavior.
- Validation of features in chromium OS which are under development.
- Involved daily execution Sync and debug Sync meeting

Project 2:

Project Name:. RAID CONTROLLER PLATFROM TESTING
Client: IBM
Platform: WINDOWS, RHEL, SLES, VMWARE
Storage Devices: RAID Controller
Server: DELL, IBM
Team Size: 8
Designation: Test Engineer

Description:

In this project we used to qualify LSI Raid controllers on IBM platforms. Both LSI MR and IMR controller complete functionality testing done here using IBM platforms. Various Raid levels are tested here as well as all the features supported by this controller. Also managing this RAID controller cards from CTRL+R, Bios and OS.

Also we validate various test cycles like sanity, functional and nonfunctional, compatibility, regression testing.

Roles and Responsibilities:

- Involved in functional and nonfunctional testing to qualify RAID controller card.
- Doing various feature of RAID controller card and compatibility testing with different OS.
- Verify various RAID mode supported by storage controller.
- Doing various RAID features testing like BGI, FGI, CC, Fast & Full init.
- Involved in **NVME** validation using NVME supported Storage Controller
- Creating **VD** using **NVME** drives
- Firmware and driver update for RAID controller card when new build is available.
- Also test maximum VD creation testing supported by RAID controller.
- Involved in stress test like reboot and power cycle.
- Creation of VD with all available policies like read, write and cache policies from CTRL+R, Bios and from storcli.
- Involved in stress test like reboot and power cycle.

Project 3:

Project Name: **SAN AVT (SAN Adaptability validation Test)**
Client: **IBM**
Platform: **QLOGIC FC and ISCSI**
Network Devices: **FC 32G/16G/8G adapter and ISCSI 10G/1G Adapter**

Server: **DELL, IBM**
Team Size: **6**
Designation: **Test Engineer**

Description:

In the above projects we are testing the functionality/compatibility of different OS using various storage and network cards and features like FC and ISCSI. Above projects are also deals with the system level testing, new feature testing of different series of NIC, HBA and CNA Controller cards and FC and ISCSI protocols.

Roles and Responsibilities:

- Executing NIC, HBA and CNA technologies related test cases.
- Doing various feature compatibility testing with different OS.
- Verify NIC and HBA functionalities.
- Doing various functional testing on FC and ISCSI cards.
- Doing various storage and network testing using different firmware and driver releases.
- Report bugs to developer with proper information using Broadcom's bug tracking tool (SP Gear).Involved in test cases & Automation scripts Reviews.
- Updating test cases according to latest enhancements.
- Installing the firmware and base configuring controllers.
- Performing the zoning activities which include configuring the port-based zoning, creating, modifying and deleting the zones.
- Troubleshooting the setup issues
- Defect logging and Verification.